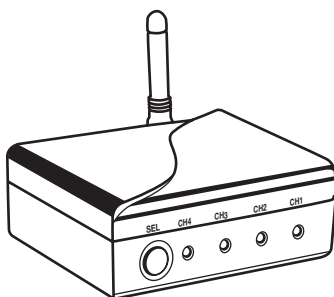
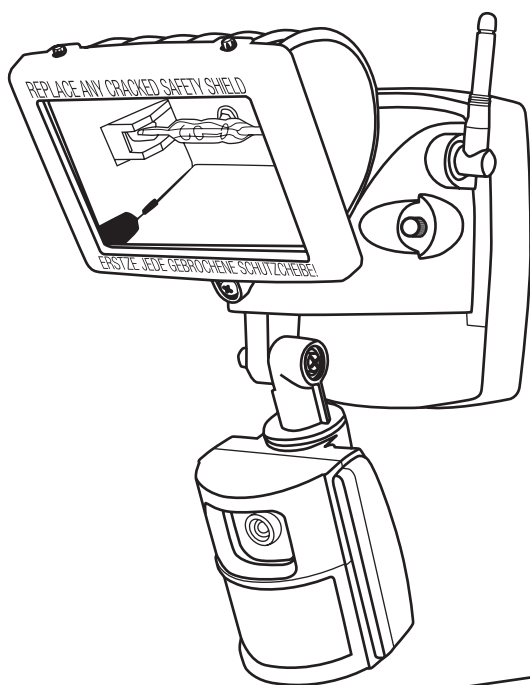


COOPER Lighting

Instruction Manual *Instrucciones* *Directives*

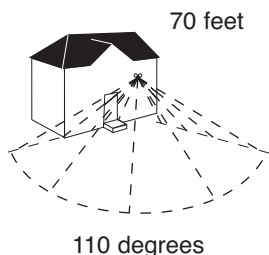


MAC100

Congratulations! You have purchased a Cooper Lighting motion activated floodlight. This security lighting system will provide years of convenience and protection for your family and home.

How it works

Your Cooper Lighting motion activated camera and floodlight security system delivers color images and audio through the use of digital wireless technology. The wireless receiver (included) connects to a television and real-time images and sound are transmitted to the auxiliary channels on the television. The motion activated floodlight senses heat images from objects such as people, large animals and automotive engines. When motion is detected at night, the light will automatically turn on so the camera images can be seen clearly. Once motion has stopped, the light will turn off after a preselected time delay. Your motion activated floodlight may also be used as a standard floodlight.

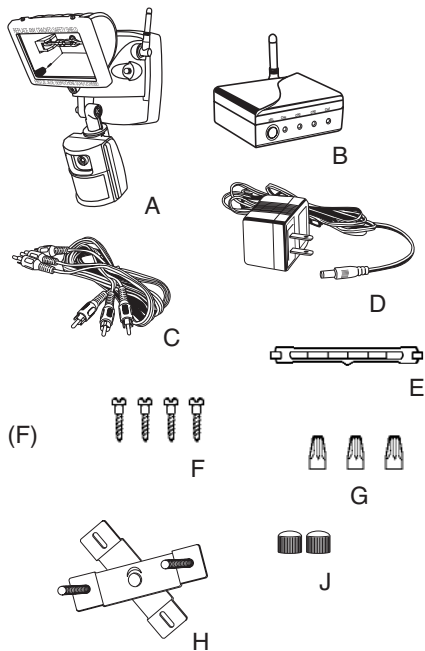


What you need

- Phillips screwdriver
- Outdoor weatherproof silicon caulking
- Television with audio and auxiliary connections

What's included

- Security camera and floodlight (A)
- Wireless receiver (B)
- Audio/video cable (C)
- Auxilliary power cord (D)
- 100 watt quartz halogen bulb (E)
- (2) #6-32: (2) #8-32 screws provided, use the size that fits your junction box (F)
- (3) Wire nuts (G)
- Mounting bracket (H)
- (2) Decorative nuts (J)



Important Safety Instructions

- Read these instructions.
- Keep these instructions.
- Heed all warnings.

Call for customer service and/or missing or damaged parts (800-334-6871)

- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and at the point they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.

What to know

- For outdoor use only.
- ETL and cETL Listed for wet locations.
- Fixture must be connected to a 120 Volt, 60 Hz power source. Any other connection voids warranty.
- Fixture should be mounted to a grounded junction box marked for use in wet locations.
- Do not allow sensor head to touch light housing – maintain at least 1/2" space between fixture and sensor.
- Keep away from flammable objects. Do not mount body of fixture within 1" of any combustible material.
- The bulb and fixture get extremely hot during use.
- Always replace bulb with the same or lower wattage than the bulb included. Installing a higher wattage bulb could create a fire hazard and shorten the life of the bulb. Use of a higher wattage bulb will void the warranty.
- Never touch the bulb with your bare hands. Handle the bulb with gloves or a soft cloth. Oil from your skin can cause premature bulb failure.



- For maximum bulb life, position fixture so the quartz halogen bulb remains within 4 degrees of horizontal.
- If lens is replaced, use only tempered safety glass of equal thickness.
- Fixture should be installed by persons with experience in household wiring or by a qualified electrician. The electrical system and the method of electrically connecting the fixture to it, must be in accordance with the National Electrical Code and local building codes.
- For proper operation and protection against damage; the motion sensor head adjustment knobs must be facing the ground.
- Disassembly of your fixture will void the warranty.
- Your fixture is pre-wired and pre-assembled for easy installation.
- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Under Part 15 of the FCC Rules, any changes or modifications to the motion detector described in this instruction sheet that are not expressly approved by Cooper Lighting could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

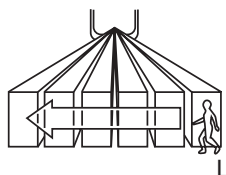
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authorization to operate this equipment.

Cooper Lighting and ETL have not tested the performance or reliability of the security or signaling aspects of this product. ETL has only tested for fire, shock and/or casualty hazards as outlined in UL's Standard(s) for Safety UL 6500. ETL Certification does not cover the performance or reliability of the security or signaling aspects of this product. **ETL makes no representations, warranties or certifications whatsoever regarding the performance or reliability of any security or signaling related functions of this product.**

For best results

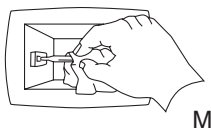
- Install your fixture 8-12 feet above the ground.
- Locate fixture so motion moves across detection zone (L)
- Locate fixture away from heat producing sources to prevent false triggering. Also be very careful not to include objects such as windows, white walls and water in the detection zone whenever possible.
- Locate fixture away from moving objects such as trees and street traffic.
- Do not install more than one motion activated floodlight on one wall switch.



Installing the bulb

Step 1: Remove screw from bottom of lens frame.

Step 2: Using gloves or a soft cloth, gently insert bulb by pressing one end into the spring loaded socket on end indicated by reflector marking and repeat with the opposite end. Bulb should fit securely into the contacts (M).



Step 3: Secure lens frame onto the fixture with screw.

Putting up your fixture

Note: Fixture may be vertically installed in either the wall mount (N) or eave mount position as shown (O).

Step 1: Turn off the power at the main fuse/breaker box.

Step 2: Match up screws on the floodlight mounting bracket with the junction box screw holes. Make sure that screws protruding from mounting plate are in a horizontal position.

Step 3: Connect black wire to house black wire and connect white wire to house white wire using wire nuts provided.

Step 4: Attach yellow/green wire from the fixture to ground wire coming from your house using wire nut provided (G). If no ground wire is available, attach fixture ground wire to the junction box.

Step 5: Attach fixture to the mounting bracket (H) with the decorative nuts (J) provided.



N

Wall mount



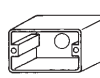
O

Eave mount

Your fixture mounts to the following recessed standard junction boxes:



Round



Rectangular (horizontal)

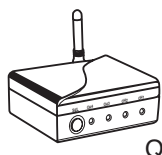
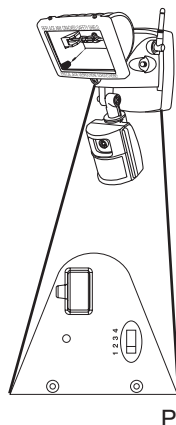


Octagonal

- Step 6:** Apply silicone caulking around the edges of coverplate and in any open screw holes for a watertight seal.
- Step 7:** Adjust the antenna upright and vertical to the ground (P).
- Step 8:** Turn power on at main fuse/breaker box.

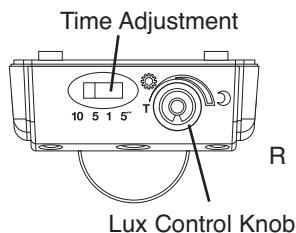
How to operate your fixture

- Step 1:** Make sure motion sensor and wireless receiver are set to the same house code (fixtures will come from factory pre-set to the same code). You may reset the house code by moving the slide switch on the bottom of the fixture into one of the four positions (P). The wireless receiver (B) should be on the same channel. To change the channel on the wireless receiver, press the SEL button on the front of the receiver and the LED light will indicate the channel in operation (Q).



- Step 2:** Move Lux Control knob on bottom of sensor to "T" (test) position and the time adjustment slide switch to the 5" (seconds) position (R).

- Step 3:** Turn on the power to fixture. Turn on the wall switch. Allow fixture to warm up approximately 90 seconds before testing. (Lights may not come on during warm-up period).




- Step 4:** Aim sensor head in desired position. Walk across the detection zone at the farthest distance you wish your detector to detect motion. Make sure sensor head is positioned with control switches facing towards the ground.

- Step 5:** Adjust motion sensor up, down, left or right until you get desired results. Light will turn off 5 seconds after motion stops in the "T" position. Wait 4 seconds after the floodlight turns off before moving again to test the sensor.

Note: For maximum range performance, allow fixture to operate in any mode (with power to the unit) for at least 48 hours.

- Step 6:** Move slide switch from 5" to either 10, 5, or 1 minute mode and light will remain on for pre-selected time after the last motion is detected at night (R). Turn LUX control knob to ☺ position.

Note: The LUX Adjustment Knob determines when the floodlight will begin operating. Turn the motion sensor LUX control knob clockwise to the moon (dusk) position. In this setting the floodlight will remain in the OFF position during daylight hours. If you would like the floodlight to turn on early (before dusk), move the knob closer to the  position.

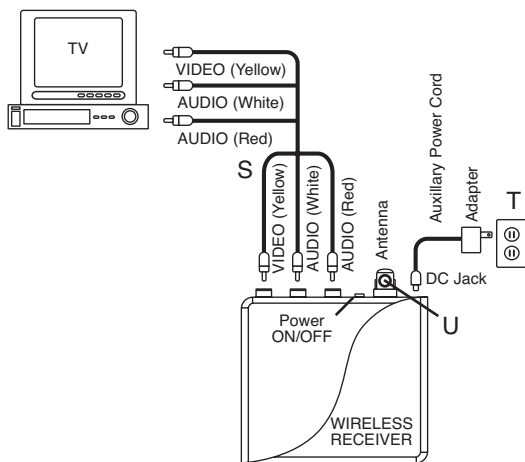
Note: Time adjustment settings:

- 5" = 5 seconds
- 1 = 1 minute
- 5 = 5 minutes
- 10 = 10 minutes

How to operate Wireless Receiver







The 2.4 GHz wireless receiver is designed to connect to your television to serve as a medium to receive the radio frequency signal from the Motion Activated floodlight and camera. There are four selectable channels that can be manually operated if needed.

- Step 1:** Connect audio/visual cable (C) to the television and to the receiver (B). Plug the yellow (video), white (audio) and red (audio) connectors into the corresponding connectors on the television and receiver (S). Wireless receiver can be connected to TV directly, or to VCR, VCD R/W or DVD R/W to receive RF signal from security camera.
- Step 2:** Connect the auxillary power cord (D) to the DC Jack on the receiver and to a standard 120 Volt power outlet (T).
- Step 3:** Slide the power switch to the ON position on the wireless receiver (U).
- Step 4:** Turn on the TV to the appropriate auxillary channel (some TV's have more than one auxillary channel). The real-time images can be viewed right from the TV, the channel LED will light up on the receiver box when a particular channel is in use.



Step 5: If more than one security camera floodlight is used, different house codes must be selected on each unit and can be viewed on the same TV at different times by selecting the appropriate house code on the wireless receiver.

How to select your desired feature

Desired Operation:	Set Time Adjust Switch To:	Wall ON/OFF Switch Setting	LUX Control Knob Setting
Lights should turn on with motion only at night and should turn off after 1, 5 or 10 minutes.	AUTO 1, AUTO 5 or AUTO 10	Keep the power to the fixture on.	Auto setting between  
Lights should stay on from dusk to dawn and then reset to the auto setting next dawn.	AUTO 1, AUTO 5 or AUTO 10	Turn the power "OFF" then back "ON" twice within 4 sec. Time between first and second operation must be between .5 - 2 seconds.	Auto setting between  
Lights should turn on with motion both day and night. Light should turn off after 5 seconds.	TEST 5"	Keep the power to the fixture on.	Test setting "T"
Reset fixture into the auto setting (from any setting).	AUTO 1, AUTO 5 or AUTO 10	Turn the power "OFF" for at least 90 seconds, then back "ON".	Auto setting between  

What to do if...

OUTDOOR LIGHT DOES NOT COME ON WITH MOTION AT NIGHT

- Is there power to the fixture?
 - Check to see that the circuit breaker has not been tripped.
 - Be sure the wall switch is in the "ON" position.
 - Be sure the bulb is not burned out or broken.
- Is the surrounding ambient light too bright? (If so, the unit may think it is daytime).
 - Re-aim the head.
 - Relocate or reposition the unit away from the light.
- TURN OFF POWER BEFORE CONTINUING.**
- Is the wiring to the fixture loose?
 - Check wiring, and reconnect if necessary using wire nuts provided.

OUTDOOR LIGHT COMES ON FOR NO APPARENT REASON AT NIGHT

- Is there motion in the detection zone?
 - Make sure the sensor is not picking up moving objects such as trees, traffic, etc.
- TEST FOR YOURSELF.**
 - Cover the sensor lens with cardboard to prevent sensor from detecting motion. If the light stays off, something in the detection zone is triggering the sensor.
 - Reposition the sensor.
- *If the light stays on with the sensor lens covered, contact customer service.

LIGHT STAYS ON AT NIGHT AND DOES NOT TURN OFF

- Is there motion in the detection zone?
 - Make sure the sensor is not picking up moving objects such as trees, traffic, etc.
 - Reposition the sensor.
- If there is no motion, then the unit may be in the override mode.
 - Turn the light switch to the "OFF" position for 90 seconds, and then turn back to the "ON" position. This will send the unit back into the AUTO mode.
- *If the light stays on with the sensor lens covered, contact customer service.

LIGHT CONTINUOUSLY BLINKS ON AND OFF AT NIGHT

- The light given from the unit's own lamp is affecting the motion sensor.
 - Re-aim the lamp.
 - Reposition motion sensor.

LIGHT IS ON DURING THE DAY

- Are the controls on the bottom of the motion sensor in the test mode?
 - Adjust the control to the AUTO 1, 5 or 10 position.
- Is the motion detector shadowed?
 - Reposition motion sensor.

CANNOT ACTIVATE DUSK TO DAWN MODE AT NIGHT (OVERRIDE)

- Is the surrounding external ambient light too bright? (If so, the unit may think it is daytime).
 - Re-aim the head.
 - Relocate or reposition the unit away from the light.
- Are you allowing adequate time to enter the dusk to dawn mode?
 - Turn the light switch to the OFF and ON position twice within 4 seconds. The interval between first and second operation must be within 0.5 to 2 seconds.
- Is there more than one fixture on an indoor wall switch?
 - If so, put them on separate switches.

Two Year Limited Warranty

Cooper Lighting ("the Company") warrants this product ("the product") against defects in material or workmanship for a period of two years from date of original purchase, and agrees to repair or, at the Company's option, replace a defective product without charge for either replacement parts or labor during such time. This does not include labor to remove or install fixtures.

This warranty is extended only to the original purchaser of the product. A purchaser's receipt or other proof of date of original purchase acceptable to the Company is required before warranty performance shall be rendered.

This warranty only covers product failure due to defects in materials or workmanship which occurs in normal use. It does not cover the bulb or failure of the product caused by accident, misuse, abuse, lack of reasonable care, alteration, or faulty installation, subjecting the product to any but the specified electrical service or any other failure not resulting from defects in materials or workmanship. Damage to the product caused by separately purchased, non-Company brand replacement bulbs and corrosion or discoloration of brass components are not covered by this warranty.

There are no express warranties except as described above.

THE COMPANY SHALL NOT BE LIABLE FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL IMPLIED WARRANTIES, IF ANY, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THIS EXPRESS WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

No other warranty, written or verbal, is authorized by the Company. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, please write to Cooper Lighting, 1121 Highway 74 South, Peachtree City, GA 30269. Enclose product model number and problems you are experiencing, along with your address and telephone number. You will then be contacted with a solution, or a Return Goods Authorization number and full instructions for returning the product. All returned products must be accompanied by a Return Goods Authorization Number issued by the Company and must be returned freight prepaid. **Any product received without a Return Goods Authorization Number from the Company will be refused.**

Cooper Lighting is not responsible for merchandise damaged in transit. Repaired or replaced products shall be subject to the terms of this warranty and are inspected when packed. Evident or concealed damage that is made in transit should be reported at once to the carrier making the delivery and a claim filed with them.



Customer First Center
1121 Highway 74 South, Peachtree City, GA 30269
www.cooperlighting.com

Patent Pending

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